GEOTECHNICAL ENGINEERING BUREAU SOIL SURVEY REPORT CHECKLIST

PR	PROJECTDATEENGINEER	
1.	1. <u>EARTHWORK</u>	
	☐ If poor Class IIIC2 or worse soils are found at grade in cut sections, is extra g base set up? Is lime or cement stabilization needed?	raded aggregate
	☐ Specify that Class IIIC2 and worse soils which will be excavated from cut sec within 3 feet of subgrade. Also need special provision, Section 205 for this re	
	☐ If removal of poor soils is required, is a removal detail included? Also, have should be used as replacement material, and what should be done with remove	
	☐ If good Class II B3 or better soils are readily available on Coastal Plain project a 12-inch layer at subgrade? Special provision Section 209 is needed for this	
	On sections with cuts and/or low fills (3' or less), if the in-place moisture of the below subgrade is significantly above optimum moisture (>4 to 5%), have you drying out and replacement of the wet soils?	
	\Box For fills and/or cuts higher than 35± feet, is the berm detail referenced a	and enclosed?
	☐ Have any proposed slopes steeper than 2:1 in either soil or rock been i addressed?	nvestigated and
II.	II. GROUNDWATER	
	☐ If groundwater was found above grade in cuts, or within 1 to 2 feet of grade in underdrains been set up? Remember to include correct underdrain detail.	ı fills, have
	☐ If high groundwater was found in cuts, will the special slope drain detail be no slope sloughing? Special provision Section 572 is needed for this.	eeded to prevent
	☐ For high groundwater in cuts, will additional graded aggregate base be needed section for stability?	in the pavement
	☐ If the project crosses a pond, lake, swamp, or other wet areas, make sure that swere taken from the bottom for classification to see if any removal will be required.	
	☐ Is granular or rock embankment needed to mat into any inundated areas? Is somewhere the second of 4 feet and less, consider placing geogrid under granular ended of Geogrid may also be used in the bottom of inundated removal trenches.	
	☐ On Coastal plain projects with low fills in areas of high groundwater or low w placing one layer of low strength filter fabric under the fills.	et areas, consider

III. PAVEMENT DESIGN

	For projects in the Piedmont region using graded aggregate base, is a minimum recommended base thickness set up?	
	Have the options for acceptable base materials been listed?	
	Have you checked adjacent projects to see if the soil support value is consistent with this project?	
	Will lime or cement stabilization of subgrade soils be needed?	
IV. MISCELLANEOUS		
	For soil surveys at bridge approaches, have you included copies of the endbent borings?	
	Is a waiting period needed before approach slabs are constructed? (for projects that include bridges)	
IV.	<u>DETAILS AND SKETCHES</u>	
	Removal detail	
	Berm detail for cuts or fills	
	Surcharge and/or filter fabric details	
	Benching detail	
	Underdrain detail	
	Serrated slopes	
	Steep rock cuts	
	Project location sketch	
	Corrosion chart	
	Slope drainage detail	